



Release Notes for InfoPrint Manager for Windows 4.4 (March 2014)



Release Notes for InfoPrint Manager for Windows 4.4 (March 2014)

Copyright © 2000, 2014 Ricoh Production Print Solutions LLC. All rights reserved.

This edition applies to InfoPrint Manager for Windows, Version 4 Release 4. It is available on the Ricoh Production Print Solutions Web site: <http://www.infoprint.com>

All InfoPrint Manager servers should be upgraded at the same time. Do not forget to also upgrade any secondary InfoPrint Manager servers.

What's new in Release 4.4?

- **InfoPrint Manager implemented the Electronic Software Distribution (ESD)**, a solution intended to facilitate the product entitlement and distribution flow while allowing you to try the product before purchasing it, preventing unauthorized use. There are other benefits of electronic software distribution, such as faster delivery and better control and management of your InfoPrint Manager licenses. InfoPrint Manager is available as a 60 days trial version or as a registered version.

Important

All installations of InfoPrint Manager for Windows 4.4 require a license key to run. If you have already purchased the product, contact your local service representative or sales representative to receive your license, or download the key using your Entitlement ID (EID) from <https://ricohsoftware-entitlements.com>. If you have not purchased the product yet, you can install and run the product in trial mode for 60 days. After you purchase the software, Ricoh Production Print Solutions sends an email with EMS - Entitlement Certificate in the subject line to the email address provided when the order was placed. This email contains your Entitlement ID (EID), which you can use to download your license key from <https://ricohsoftware-entitlements.com>.

Obtaining a trial version of InfoPrint Manager has never been easier. To download your installation DVD-ROM for one of the supported platforms (AIX, Linux, or Windows), go to: http://www.infoprint.com/internet/ipww.nsf/vwWebPublished/swip_infoprint-manager_en

The InfoPrint Manager Base Server and these features are available for your evaluation:

- InfoPrint Manager AFP2PDF Feature
- InfoPrint Manager Pull Print Feature
- InfoPrint Manager SAP Print Feature
- InfoPrint Manager Web Operations GUI Feature

The InfoPrint Manager Base Server and these features are available for your purchase using the electronic software distribution license keys:

- InfoPrint Manager AFP2PDF Feature
- InfoPrint Manager High Speed Printer Feature
- InfoPrint Manager InfoPrint 4247 Feature (available on a separate CD-ROM)

-
- InfoPrint Manager Japanese PostScript Fonts Feature (available on a separate CD-ROM)
 - InfoPrint Manager Low Speed Printer Feature
 - InfoPrint Manager Medium Speed Printer Feature
 - InfoPrint Manager PPFA Feature (available on a separate CD-ROM)
 - InfoPrint Manager Print-On-Demand Feature (available on a separate CD-ROM)
 - InfoPrint Manager Pull Print Feature
 - InfoPrint Manager SAP Print Feature
 - InfoPrint Manager Ultra Speed Printer Feature
 - InfoPrint Manager Workgroup Printer Feature

For more information about product features and Electronic Software Distribution, see *InfoPrint Manager for Windows: Planning Guide*, G550-1071, and *InfoPrint Manager for Windows: Getting Started*, G550-1072.

- **Upgrade to Java 7.** InfoPrint Manager server and clients are now using Oracle Java 7 Update 25.
- **The APF2PDF transform has been added as a feature of InfoPrint Manager.** The `afp2pdf` transform converts Mixed Object Document Content Architecture (MO:DCA-P) documents, also called AFP documents, to Adobe Portable Document Format (PDF) documents to be viewed, archived, e-mailed, or printed.

For more information on the `afp2pdf` transform capabilities, see *InfoPrint Manager: Reference*, S550-1052.

- **Added support for 64-character destination names.** InfoPrint Manager now supports actual and logical destination names up to 64 characters.
- **Support for new Windows client operating systems.** InfoPrint Manager clients for Windows platform now support Windows 8 Pro, Windows 8 Enterprise, and Windows Server 2012 Standard.

For a complete list of supported operating systems for the server or clients, see *InfoPrint Manager for Windows: Planning Guide*, G550-1071 .

- **InfoPrint Manager Web Server is now installed with the base server.** The Web Server available with InfoPrint Manager is always installed with the base server, but only started if available web applications from the Print-On-Demand, Pull Print, or Web GUI feature are installed. The Web Server Feature was discontinued as a separately available feature.

For more information about InfoPrint Manager Web Server, see *InfoPrint Manager for Windows: Getting Started*, G550-1072, and *InfoPrint Manager Print-on-Demand Feature: Using Submit Express and Job Ticketer*, G550-20271.

- **InfoPrint Manager for Windows is User Account Control (UAC) compliant.** InfoPrint Manager for Windows is installed now as user `ipm1` and all services are run with this user. Also, all working directories are installed under Application Data folder, making the product compliant with latest Windows security rules. UAC on InfoPrint Manager for Windows is supported only for new installations, updating the product to current release preserves the existing working directory structure.

For more information, see *InfoPrint Manager for Windows: Getting Started*, G550-1072.

- **Interchange Set Version 3 (IS/3) support was added for image transforms.** InfoPrint Manager GIF2AFP, JPEG2AFP, and TIFF2AFP can now generate AFP data stream that is IS/3 compliant.

For more information on using IS/3, see *InfoPrint Manager: Reference*, S550-1052.

- **Support for Preprinted Form Overlay (PFO).** InfoPrint Manager has the ability to make use of the new preprinted form overlay (PFO) using the new actual destination attributes: **medium-preprinted-form-overlay-back**, **medium-preprinted-form-overlay-front**, **page-preprinted-form-overlay-back**, and **page-preprinted-form-overlay-front**.

For more information, see *InfoPrint Manager: Reference*, S550-1052.

- **InfoPrint Manager's PSF-Other destination supports additional barcodes.** The PSF PCL Secondary process was enhanced to support: MaxiCode, UPC, EAN, POSTNET, PLANET, APBC, and Code93 barcodes.

For more information, see *InfoPrint Manager for Windows: Getting Started*, G550-1072.

- **Added support for listed Ricoh printer models to the InfoPrint Manager.**

These printer models are supported:

- RICOH Pro 8100S
- RICOH Pro 8110S
- RICOH Pro 8120S
- RICOH Pro C5100S
- RICOH Pro C5110S

- **Enhanced InfoPrint Manager server accounting log for jobs completed with errors.** This improvement allows the user to see the accounting information for jobs completed with errors. The server creates an additional log file for each actual destination that will contain only error job information.

For more information about this function, see *InfoPrint Manager for Windows: Procedures*, G550-1073.

- **InfoPrint Manager Administration and Operation GUI client, as well as the Notification Client, are now supported on Linux.** These two existing clients were supported prior to this release only on Windows.

For more information, see *InfoPrint Manager for Windows: Planning Guide*, G550-1071.

- **Revised publications:**

- *InfoPrint Manager for Windows: Planning Guide*, G550-1071
- *InfoPrint Manager for Windows: Getting Started*, G550-1072
- *InfoPrint Manager for Windows: Procedures*, G550-1073
- *InfoPrint Manager for AIX and Linux: High Availability Guidelines*, G550-20261
- *InfoPrint Manager: Reference*, S550-1052
- *InfoPrint Manager: PSF, Server, and Transform Messages*, G550-1053

-
- *InfoPrint Manager Pull Print Feature: Installing and Configuring*, G550-20129
 - *InfoPrint Manager Print-on-Demand Feature: Using Submit Express and Job Ticketer*, G550-20271
 - *InfoPrint Manager: SAP R/3 Planning and Configuring Guide*, S550-1051
 - *Page Printer Formatting Aid: User's Guide and Reference*, S550-0801
 - *AFP Conversion and Indexing Facility: User's Guide*, G550-1342
 - *InfoPrint Manager: Dictionary of Keywords*, S550-1188

Withdrawn Support

- **InfoPrint Manager AFP2PDF PRPQ, product number 5799-HBQ, has been discontinued.** The formally known PRPQ has become an InfoPrint Manager feature available with the base product DVD.
- **Withdrawn support for interoperating servers using Microsoft Windows Services for UNIX (SFU) or Subsystem for UNIX-based Applications (SUA).** SFU/SUA was deprecated starting the release of Windows 8 and Windows Server 2012. It will be removed starting the next version of Windows. We are supporting server interoperating only using Samba application installed on the AIX or Linux server.

For more details, see *InfoPrint Manager for Windows: Procedures*, G550-1073.

- **InfoPrint Manager Windows clients are not supported anymore on Windows 2000, Windows Server 2000, Windows Vista, and Windows Server 2003.**

For more information on the supported Windows clients, see *InfoPrint Manager for Windows: Planning Guide*, G550-1071 .

- **InfoPrint Manager server is not supported in Korean and Chinese languages anymore.**

Limitations

Limitations on Windows 64-bit platforms

The following components of InfoPrint Manager for Windows are not currently supported on the 64-bit operating systems: Windows Gateway, InfoPrint Port, IBM TCP/IP Network Port Monitor, InfoPrint TCP/IP Network Port Monitor, and InfoPrint PPFA.

Single Cell Halftone

The small (one bit monochrome) images that are transformed with transparency enabled are not transformed with the Single Cell algorithms. The native PostScript data streams that use the imagemask operator are transformed using the original halftone algorithms. The PDF data streams that process small (one bit monochrome) images with transparency enabled also use the original algorithms.

Internet Protocol version 6 (IPv6)

InfoPrint Manager does not yet support IPv6. InfoPrint Manager currently requires IPv4.

Make sure that all x64 kernel-mode software is signed

Previous x64 versions of Microsoft Windows Server did not require drivers to be signed. However, in the x64 version of Windows Server 2008, all kernel-mode software (including drivers) that runs on the computer must have a signature.

Important

InfoPrint Manager supplies an unsigned driver that will cause Windows operating system migration to fail. If you are migrating from one of these Windows operating systems:

- Windows Server 2003 Standard Edition SP2 x64
- Windows Server 2003 R2 Standard Edition SP2 x64
- Windows Server 2003 Enterprise Edition SP2 x64
- Windows Server 2003 R2 Enterprise Edition SP2 x64

To one of these Windows operating systems:

- Windows Server 2008 Standard x64
- Windows Server 2008 R2 Standard x64
- Windows Server 2008 Enterprise x64
- Windows Server 2008 R2 Enterprise x64

Do these steps:

1. Before beginning the operating system migration, rename the `po17100.sys` driver to `po17100.syu` (`syu` for unsigned). This driver is located in `C:\Program Files (x86)\IBM\Infoprint Manager\bin\`.
2. Complete the system migration.
3. Before using InfoPrint Manager, rename the `po17100.syu` back to its original name: `po17100.sys`.

Indexed Multiple Data Sets

MVS Download cannot be used with multiple data sets that have already been indexed (contain AFP TLEs).

Longer processing for color text that uses embedded fonts

When transforming PDF with color text that uses embedded font subsets to black and white or color AFP output, the rip processing can take longer. If you use `savevm=false`, this performance will improve. However, we recommend using the current default of `savevm=true` because, in some cases, PDF input files with many embedded font subsets might fail to transform. The `savevm` option appears on the `ps2afp/pdf2afp` command line as: `-pragma pdf2psoptions=savevm=true`.

AFP Printer Driver

AFP Printer Driver available on the Common Clients CD is not supported on the 64-bit version of Windows XP.

Interchange set version attribute

The sap2afp transform command does not create IS/3 compliant AFP output when converting an ABAP file by specifying 3 as a value for the **-is** flag. The sap2afp transform command creates IS/3 compliant AFP output only when the input file is an OTF file.

Known problems and workarounds

Ricoh ProcessDirector page separator issue when coexisting with InfoPrint Manager 4.4

If Ricoh ProcessDirector is installed on the same server as InfoPrint Manager 4.4, errors occur when you request header, separator, or trailer pages on any version of Ricoh ProcessDirector. The immediate solution is to remove any separator pages on Ricoh ProcessDirector when both products are installed on the same server.

Note

If you want to install this version of Infoprint Manager and Ricoh ProcessDirector on the same server, contact your Service Representative for assistance due to known limitations.

Installing and uninstalling InfoPrint Manager and InfoPrint Transform Manager on the same computer

You can install InfoPrint Manager for Windows Version 4 Release 4 and InfoPrint Transform Manager version 3.0 on the same Windows computer.

Restrictions

You must install InfoPrint Manager before you install InfoPrint Transform Manager.

CCRs included in Release 4.4

Release 4.4 includes resolution for these CCRs:

CCR	Description
1-1GTR5KX	Fixes memory leaks on transform daemons.
1-1JUNPDF	PSF does not issue an "END" command at the end of a PTOCA object with OEG. The "END" command should be issued to let the printer know when to come out of a text-object processing, otherwise the job is unsuccessful. Currently there is no known IPDS printer that supports PTOCA objects with OEG.
1-1LQ9EZK	The MVS Download receiver does not receive jobs from AFP Download Plus when mft (multiple file transfer) is used.
1-1MDRGYK	InfoPrint Manager MVS Download fails to clean up resulting MO:DCA-P file when multiple data set jobs are received.
1-1MJQ8R1	InfoPrint Manager Web Server does not always install correctly on Windows Server 2008 R2, x64.
1-1MNE91O	Provides accounting information for jobs that are completed with errors in <code><actual_destination_name>.accounting.log.error</code> .
1-1MPM1XV	InfoPrint Manager for Windows cannot map a TTF font to a Type 1 font.
1-1NBCL2V	Error Message 0424-228: If more than 7 input trays are defined, the actual destination reports that no input trays are available on PSF Other.
1-1NFSL03	The Page Segment placed in incorrect position when going through ACIF.
1-1NG578W	Increases the default value for the printer-memory attribute on the PSF Other-driver DSS from 1024 to 65535 kilobytes.
1-1ODPBYE	PCL sniffer calculates incorrectly the number of pages for a PCL document when raster information contains '1B' octet (Escape Sequence indicating PCL command).
1-1PFNLV5	Umlaut German character not rendered on capital letter when pcl2afp transform is used.
1-1QPJELS	Transform jpeg2afp fails with memory error on large files.
1-1S6V9D3	The SAP2AFP transformer does not keep text justified for OTF documents.
1-1SCY16P	The PCL secondary output incorrect on duplex side 2 only.
1-1SCOO0H	Missing jobs and incorrect blank error message in some cases when using Infoprint Manager Port.
1-1TTSFRR	InfoPrint Select job settings dialog is always displayed when the user enables the folder redirection.

Trademarks

These terms are trademarks or registered trademarks of Ricoh Co., Ltd., in the United States, other countries, or both:

- Advanced Function Presentation
- Advanced Function Printing
- AFCCU
- AFP
- Bar Code Object Content Architecture
- BCOCA
- InfoPrint
- Infoprint
- Intelligent Printer Data Stream
- IPDS
- Mixed Object Document Content Architecture
- MO:DCA
- Ricoh

These terms are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both:

- AIX
- DFS
- HACMP
- IBM
- Linux
- MVS
- OS/2
- OS/390
- POWER
- PowerHA SystemMirror
- Print Services Facility
- pSeries
- S/370
- S/390
- z/OS

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

CUPS is a trademark of Apple Inc. in the United States, other countries, or both

Linux is the registered trademark of Linus Torvalds in the U.S. and other countries.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

SafeNet code: The license management portion of this Licensee Application is based upon one or more of the following copyrights:

Sentinel RMS
Copyright 1989-2006 SafeNet, Inc.
All rights reserved.

Sentinel Caffé (TM)
Copyright 2008-2009 SafeNet, Inc.
All rights reserved.

Sentinel EMS
Copyright 2008-2009 SafeNet, Inc.
All rights reserved.

Other company, product, or service names may be trademarks or service marks of others.